

FMCSA Specifications for Federal Procurements of Field Portable Computers and Peripherals

Updated: 1/17/2002 5:14 PM, JNH

This document provides specifications for FMCSA procurements of portable computer and peripheral hardware for field use. These specifications must be followed for all FMCSA procurements that meet the definitions below.

If you have any questions regarding these specifications, please contact Robert Miller, FMCSA Field Systems Team (FST) Leader, at (202) 366-1429.

SAFETY INVESTIGATOR LAPTOPS

This specification will be used for procuring investigator laptops for use in conducting Compliance Reviews.

- Panasonic ToughBook 48 CF-48S4HLUPM-FH
 - PIII 1.06 GHz CPU
 - Windows 2000 Operating System
 - 256 MB SDRAM
 - 14.1" Display
 - 30 GB harddrive
 - 1.44MB floppy drive (internal)
 - CD-RW Drive (internal)
 - Touchpad pointer device
 - Integrated 56K modem AND 10/100 Ethernet card
- Panasonic Accessories
 - 256 MB RAM memory card (total RAM = 512) CF-WMBA91256
 - Port Replicator CF-VEB481
 - AC Adapter (for Port Replicator) CF-AA1639AM
- Additional Accessories
 - External mouse (SuperMini Optical via PS-2) ACC-MS15001

ROADSIDE INSPECTOR LAPTOPS

These specifications will be used for procuring inspector laptops for use in conducting driver/vehicle inspections.

- Panasonic ToughBook 72 CF-72TCJUZPM
 - PIII 1.06GHz CPU
 - Magnesium case, spill resistant keyboard, shock-mounted HDD
 - Windows 2000 Operating System
 - 256 MB SDRAM
 - 30 GB harddrive
 - 56K modem (internal)
 - 10/100 NIC (internal)
 - LS-120 SuperDisk Drive (modular)
 - DVD Drive, (modular)
 - 13.3" 1024x768 LCD screen
 - Touchpad pointer device
- Panasonic Accessories
 - Port Replicator CF-VEB481
 - AC Adapter (for Port Replicator) CF-AA1639AM
 - 256 MB RAM upgrade (512MB RAM total) CF-WMBA91256
 - CD-RW 24x 8x 4x (modular) CF-VCW721W
- Additional Accessories
 - External mouse (SuperMini Optical via PS-2) ACC-MS15001

MANAGER LAPTOPS

This specification is for a lightweight laptop for use primarily for e-mail, scheduling, address book information, and minimal word processing. Although the specified unit can be used for much more, the trade-off for going with a lightweight unit is a decrease in ease-of-use. If a manager feels he/she will be running CAPRI, ASPEN, CaseRite, or performing a great deal of word processing, we recommend procuring the standard SI laptop.

- Compaq N400c N4CP850X220C12P6L
 - Intel Low-Voltage Mobile Pentium III 850 MHz processor with SpeedStep™ technology
 - Weighs only 3.5 lbs
 - Full size keyboard
 - 12.1" XGA CTFT display
 - Three year warranty

- 128 MB SDRAM
 - 20 GB harddrive
 - Integrated 56k modem and 10/100 network interface card
 - Magnesium display enclosure
 - One type II PC Card slot
 - Stick pointing device
 - Windows 2000 Operating System
- Compaq N400c accessories (required to make this a complete solution)
 - Mobil expansion unit (MEU) with CD-RW and 1.44 Floppy drive
234281-B25
 - 128 MB RAM upgrade (256 total)
400313-B21
 - Additional Accessories
 - External mouse (SuperMini Optical via USB) ACC-MS15000

PORTABLE PRINTER

This specification is to be used for both investigators and inspectors. Portable printers are procured and serviced for investigators and inspectors through the FMCSA Technical Support hotline.

- Canon BJC-85 Q30-3210-US1
 - Speed: Up to 5 ppm in black / 2 ppm in color
 - Resolution*: 720 x 360 dpi for black
 - Compatibility: Windows® 95, 98, ME, NT 4.0, 2000, & CE 2.10/2.11
(*Note: This unit is not DOS compatible)
 - <http://consumer.usa.canon.com/printers/bjc85/index.html>
 - Estimated price \$299

3-IN-1 DESKTOP PRINTER

This specification should be used when procuring an all-in-one device for telecommuters. This is a desktop printer, fax, and scanner. The unit specified is not portable. Cables are procured separately. 3-in-1 printers are procured and serviced locally.

- HP Laserjet 1220 C7045A
 - Print/Copy/Scan

- Connectivity – USB 2.0 or Parallel
- RAM – 8 MB EDO DIMM
- Sheet feeder – 30 page
- Paper tray – 250 sheets
- Printer – Laserjet, 15 ppm, 1200x1200 resolution, envelope printing
- Fax – 12 cpm, 600x600 resolution
- Scanner – 9600 dpi

PORTABLE SCANNER

This specification will be used when procuring portable scanners for use by investigators and inspectors.

- Visioneer Strobe Pro NT 90-0427-200
 - Connectivity – USB, serial, or parallel
 - Resolution – 300x600 dpi
 - Scanner bit depth (color) – 30-bit
 - Software includes:
 - Scansoft PaperPort Deluxe
 - Scansoft TextBridge Pro 8 OCR
 - MGI PhotoSuite II SE
 - Scansoft PaperPort Links™
 - PictureWorks PhotoEnhancer™
 - Scansoft WebPublisher Link
 - OS – Win 95/98/ME/NT/2000
 - <http://www.visioneer.com/products/sheetfed/nt/>
 - Estimated price \$249

DIGITAL CAMERA

This specification will be used when procuring digital cameras for use by investigators and inspectors. Digital cameras are an excellent tool for documenting violations such as a cracked trailer frame.

- Canon PowerShot S40
 - Resolution – 4 megapixel
 - Zoom – 3x optical
 - Lens – 35-105mm, F/2.8-F/4.9
 - Body – All metal
 - Lens cover – Liding door built into body
 - Flash – Built in
 - Voice annotation
 - Battery – Lithium ion, rechargeable

- Weight – 11.4 oz.
 - Connectivity – USB 1.1 (cable included)
 - Software includes:
 - USB/Twain driver & RAW image converter
 - Remote capture
 - Photo switch
 - Zoom Browser
 - Photo Record
 - ArcSoft Photo Impression
 - <http://www.powershot.com/powershot2/s40-30/index.html>
 - Estimated price - \$620
- Recommended accessories for digital camera
 - Lexar 128 MB 12x CompactFlash
 - Canon soft case (PSC-30)

LAPTOP CARRYING CASE

Model unspecified, but should, at minimum, accommodate laptop, printer, and all accessories. Suggested manufacturers, include Tenba and Targus. Models to consider include:

| | |
|------------------------------------|---------|
| Targus – Top-loading Air Universal | (\$ 99) |
| Targus – Port 2.1 Easyroller Case | (\$149) |
| Tenba – Tenba Computer Traveler | (\$170) |

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